
FOLIO

University of Alberta Partner in Consortium Formed to Train Chinese Agricultural Experts

The University of Alberta has joined forces with Olds College and the University of Guelph to provide a \$7 million training program to Chinese agricultural experts. A consortium has been formed that will include Hei-

longjiang August First Land Reclamation University and the Liu He Cadre Training Centre, both of which are located in the Chinese province of Heilongjiang, formerly part of Manchuria.

The project is aimed at educating 50 Chinese officials over the course of four years in agricultural and biological practices. The Chinese visitors will be taking short courses, enrolling in master's and doctoral programs and watching demonstrations of Canadian farm management practices that may in future be applied to the Chinese collective farm.

They are also looking into crop rotation and the relatively low levels of insecticides and fertilizers that are used in Chinese farming.

Funding for the project was approved by the Canadian International Development Agency (CIDA) on 26 April. □

Board of Governors In Brief

S.M. McFadyen has been reappointed Chairman, Marketing and Economic Analysis, for four years.

T.K. Shnitka has been reappointed Chairman, Pathology, for one year.

R.D. Steadward has been appointed Chairman, Athletic Services, for five years.

All appointments are effective 1 July 1985.

Naming the Physics Building

The Building Committee recommended renaming the Physics Building the "Avadh Bhatia Physics Laboratory." During an ensuing discussion on the necessity of administrators having guidance regarding the naming of rooms or buildings after deceased colleagues, Lorne Leitch, commenting on

the particular appropriateness of this naming request, described Dr. Bhatia as "a man of outstanding academic attributes and a towering figure in his field...who might well have been our first Nobel prizewinner."

There was some debate also on the appropriateness of applying the word "laboratory" to a building devoid of what is generally assumed to be the proper apparatus of a laboratory. Professor Leitch provided the rationale, quoting from a memorandum from the Dean of Science: "Laboratory" is used in a generalized (though etymologically correct) sense on this continent, with no implication of test tubes, vacuum systems or other apparatus. The Kellogg Radiation Laboratory at Cal Tech and the Palmer Physical Laboratory at Princeton are really Physics 'Buildings.' In short, the title has been used and its meaning is understood to be a building in which any or all aspects of scholarship, teaching and research are conducted."

The Board approved the Building Committee's recommendation.

Stoles for Convocation

A motion was approved expressing thanks and appreciation to Anne Kernaleguen for her design of the gold stoles that Board members may wear at Convocation. □

Heilongjiang is smaller in area than Alberta but has a population of 32 million. With the same latitude as Edmonton, its climate is much the same as in certain parts of Canada. Crops such as wheat, soybeans and corn are raised, as are cattle and pigs.

Of particular interest to the Chinese visitors participating in the project will be labour efficiency—how to provide work to a highly populated province while adhering to the country's social system. The Canadian sponsors are hoping to benefit from the project mostly in the area of seed exchanges, including the obtaining of wild soya beans with disease-resistant qualities.

Easy Does it at Stadium Car Park

The Stadium Car Park story continues. Phase Two will commence on 21 June and last for about three months. Workers will be gainfully employed grouting (filling cracks), painting, relighting and eavestroughing.

Two levels will be closed at a time; the word is that disruption will be minimal. □

This Week's Quote

After the Physics Building was renamed at the June meeting of the Board of Governors, John Schlosser had another change to suggest.

"In view of the discussion on naming rooms and buildings on this campus, I propose that all elevated, covered walkways be named at once 'Myer's Passovers'." □

Board of Governors and NASA Reach Agreement

The Board of Governors and the Non-Academic Staff Association have negotiated a 2.5 percent across-the-board increase retroactive to 1 April 1985. All bargaining unit staff who have separated from employment since 1 April 1985 are eligible to receive a retroactive pay adjustment for the period worked.

Employees who separated from employment prior to 31 May 1985 are required to apply in writing for the

retroactive adjustment. The application for the adjustment must include:

- 1) Printed Name
- 2) Social Insurance Number
- 3) Department Mailing Address
- 4) Signature of Ex-Employee.

The application must be submitted to the Payroll Division, Office of the Comptroller, Administration Building, University of Alberta, on or before 31 July 1985. □

Atlantis Scholar Fulfills Promise Hinted at During Earlier Researches

The following is the Report to Convocation delivered by L.C. Leitch, Vice-President (Finance and Administration), on 4 June.

Eminent Chancellor:

Since this is my last Report to Convocation, I had more than the usual difficulty in selecting a theme. The temptation to reminisce is overwhelming, but that would be self-indulgent and better left until I write my memoirs, which have been tentatively entitled "The Joy of Budgeting."

Over the past several years, whenever I have been faced with a problem for which there is no ready solution, I divert myself by furthering my research into the origins and history of the Kingdom of Atlantis. Those of you who have read some of my earlier works on this subject will know that Atlantis, by virtue of certain geographical barriers, remained virtually unknown to the outside world for a very long time, and it is only over the

last two or three decades that any significant amount of information about this fascinating, but still somewhat mysterious country has become available. My interest is confined almost exclusively to the growth and development of the University of Atlantis, which is situated on a beautiful campus on the banks of the North Salsihan River. The founder of the University was King Alfred the Enlightened, whose great, great grandson, Alfred the Cool, is now in power, and has been for many years.

I was enormously excited recently to come across a volume written by Conan the Counter, the long-time Bursar of the University who, on his retirement, reviewed some of the significant events that occurred during his twenty-five years in office. Since there were some interesting parallels with our own University, my comments will be confined to the sharing of a few of the highlights of Conan's work with you this afternoon.

The fortunes of the University of Atlantis are closely linked to the fortunes of the country itself, since most of the University funding comes by way of grants from the Kingdom's Treasury. The discovery of the great guano beds on the west coast fifty years ago heralded a period of unparalleled prosperity for the Kingdom; the global demand for this nitrate-rich fertilizer was seemingly insatiable. The true golden years for Atlantis and its major University commenced about twenty years later, however, when certain southern hemisphere countries with cheap and easily accessible guano deposits formed a cartel and sent prices skyrocketing.

Conan generates a sense of excitement when he describes that era. Coincident with the surge of foreign exchange flowing into the Kingdom's coffers was an accelerated demand for places at the University. The baby boom which followed the Great Potato Wars (which will be the subject of another paper) resulted in a dramatic increase in the numbers of students in the educational system. Enrolments doubled and then tripled, funding levels kept pace, and so did staff and facilities. For months and years on end, it was impossible to walk through the

campus without skirting construction sites. Initially, the buildings were designed by the King's own architects, and Conan was clearly unenthusiastic about some of the results. Apart from the fact that certain buildings exhibited a dismaying tendency to have large sections of their walls drop off, putting in mortal danger anyone walking in the vicinity, they were unappetizing to look at. Conan privately labelled their style as "Public Works Gothic" and fervently hoped that time and ivy would work their magic.

In the latter stages of the construction boom, architects from the private sector were called in, and the results were eminently satisfactory. Some outstanding structures emerged, including the Centre for Law and Justice, the College of the Humanities and most recently, the Agrarian College and the Faculty of Enterprise Building. The combination of stately older structures, the potpourri of newer designs and imaginative landscaping have resulted—at least in Conan's opinion—in a campus of which all of Atlantis can take considerable pride.

Two buildings in particular seem to preoccupy Conan. It appears that several years into his stewardship of the University's resources, representatives of the student government approached the administration to negotiate the sale of a building which was then owned by the Students' Association, and which I shall attempt to describe. It is apparently a wondrous structure which won international awards for its designers. Try and conceive of a building some four stories high, one thousand feet long, and dressed in drab, grey concrete. It is punctuated on both sides by rows of small, largely uncurtained windows, and dozens of doors leading into dark stairwells that were the means of access. It was ghastly—particularly located as it was in the central part of the campus.

Inside it was better, with a shopping mall and apartments overlooking the mall which housed many students. Down the full length of the roof was a giant skylight, permitting the sun's rays to brighten the interior.

Conan Bilked Royally

In any event, Conan was appointed the chief negotiator for the administration and a young lady, the Vice-President (Finance) of the Students' Association, bargained on behalf of the students. According to the esteemed Bursar, it was not unlike taking candy from a baby—the University of Atlantis became the proud owner of this popular edifice for one Atlantan dollar—or eleven cents Canadian. While he was still congratulating himself on his financial acumen, the first reports about hundreds of leaks in the roof, falling plaster and insecure concrete slabs started reaching Conan. The latest estimate is that it will cost fifty million dollars, Atlantan, to make the building habitable.

The other building I will refer to briefly later. Conan devoted a section of his book to the students, for whom he evidently held a great deal of affection—although I would judge from the glowering visage glaring out at the reader from the author's page, that the students would greet this statement with some skepticism. In the early years, the students tended to be conservative, hard working, generally docile, and generally uninteresting. Those who lived away from home preferred the highly regimented, strictly segregated life in the student residences. Entertaining someone of the opposite sex in one's room was essentially confined to tea on Sunday afternoons.

There followed a period of student unrest in Atlantis—and indeed, so Conan believes, in many other countries. Although his University was spared the violence and intractability of the newly-awakened students' rights movement, a rebellious spirit prevailed. A graduate student identified as Johnathan of Bordeaux was a key figure at this time, and Conan reveals that his office was occupied for several hours by this young man and some of his supporters.

It has often been said that when a genuine need arises in a society or community, the right leader emerges. That person, at the University of Atlantis, was a man whom Conan con-

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siders to be his mentor. Initially with the full support of his predecessor in office, and then as President, Sir Max the Wise, as he was known, provided the blueprint for the full participation of students in University governance, both in the Academic Congress and on the Board of Regents. The students became full partners in the enterprise. This man still occupies a special place in the hearts and minds of those who worked with him, although he has been long-retired.

Acknowledging that his advancing years may have blurred the chronology of events, Conan believes that there followed about this time the aberration of the flower children. These were gentle people who cared not for worldly values, rejected materialism, and espoused love and peace. Although our upright Bursar was inclined to be intolerant of the lack of drive and motivation on the part of these students, Conan now looks back rather nostalgically to that period. Certainly the current students are more mature and self-assured than their predecessors, and they have adopted living arrangements and a lifestyle that would have severely agitated Conan as little as a decade ago, but he finds them rather dull. Once again, they are preoccupied with obtaining a degree—preferably from a professional discipline—obtaining employment and joining the country club. Surely, muses Conan, there should be more to University than that.

The names of many of the student leaders appear in the book, and with difficulty in only a few instances, the author identifies strong points in each of them. He speaks of Marilyn the Iron Maiden, of David the Uncompromising and of his younger brother, Graham the Sincere. The last student leader with whom he dealt, apparently was one Lloyd the Far-Out, whom Conan affectionately dubbed Don Quixote because of his predilection for tilting at windmills.

Eminent Chancellor, I realize that I must bring this chronicle to a close in order that we can proceed with the important business of the afternoon, but I seek your indulgence for a moment or two longer.

Earlier I mentioned that there were two buildings that preoccupied Conan. The other bears a formal name that no one uses, since everyone calls it the Shocking Pink Palazzo, for obvious reason. During its construction, Conan

assured everyone who asked that the cladding was in reality the insulation, since it was inconceivable that the color would remain exposed. It was—and because the building is of gargantuan proportions, neither trees nor ivy will ever conceal it. Actually, the populace has grown fond of the color, swears that it warms the surroundings during the grey, winter days. The Palazzo was built as a Sports Pavilion by King Alfred at the time that the University hosted the Global Student Games—the time when Atlantis first burst upon the consciousness of the world. Those games were enormously successful, and established Atlantis and its University as leaders in organizational skills and volunteer effort.

Relationships with government are important to any state university, and Conan devotes a chapter to that issue. He spent much of his time as Bursar endeavoring to reconcile scarce

resources and burgeoning demands, and looking for ever more creative ways of wresting additional funds from the government. This came about in large part because the price of guano plunged in response to a dramatic reduction in world demand. Fortunately, King Alfred and his Ministers had had the foresight to establish a Futures Endowment Fund during the good years, which effectively cushioned the economy from the harsh effects of the reduced revenues. None the less, hard decisions had to be made within the University, and Conan and his colleagues continued to press the legitimate needs of the institution. He acknowledges in his book, however, that Atlantis was probably among the most favored universities in the free world, and he counts among his blessings that fate had not lead him into a similar position in the adjoining Kingdom of Bashful Col-

umbine, headed by the tyrannical Wilhelm the Terrible.

There was an interesting footnote in this chapter. Apparently, several years ago, staff and students marched on the Palace in order to underline their concern about funding levels. Although he gave them a courteous hearing, the King was deeply offended by the demonstration, and he decreed that thereafter the appropriation for the University would not be communicated until Parliament approved his Ministers' estimates. This edict significantly complicated the budget process at the University, and Conan expressed the wish that Alfred the Cool would relent.

Eminent Chancellor, Conan identified many people with whom he had worked in most affectionate terms, but since their names would mean little to this Convocation, I will recite only one or two of them here. Max the Wise

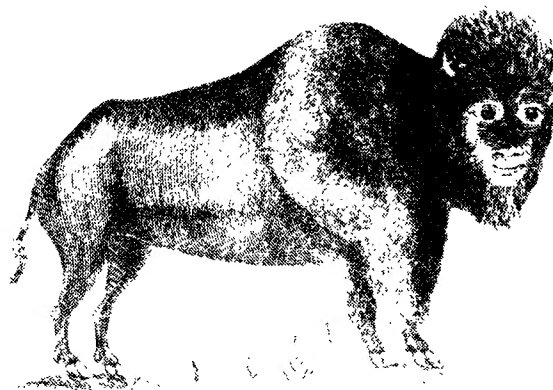
Bison Exhibition Shows Historical Importance of Beast

Ring House Gallery has organized a major exhibition for the summer entitled "Buffalo: 'these Beast on ye Barren ground.'" The show will open on 20 June and close on 6 October.

The exhibition is multi-disciplinary in nature and relates the importance of the bison to the history of Western Canada. The bison is an animal that has been seen by many eyes and many cultures—from the prehistoric cultures of the Canadian Plains to the romantic painters of the nineteenth century. Like the land over which they roamed, the natural history of the bison has shaped and been shaped by the human cultures in contact with it. These cultures have left a rich legacy of their view of the buffalo, through their artifacts, their words, and their art.

To illustrate these evolving visions of the bison, Ring House Gallery has gathered artifacts and works of art from public institutions in both Canada and the United States. However, central to the exhibition are items from the University's own collections. Material from Special Collections, the Department of Zoology Museum, the University Map Collection, the University Archives, and the O.C. Edwards Collection of Indian artifacts will be presented.

Works of art and photographs form



'The Buffalo', an engraving in The Massachusetts Magazine April 1792. Collection of the Amon Carter Museum of Western Art, Fort Worth, Texas.

a major component of the exhibition. Included are pieces by such well-known names as George Catlin, Karl Bodmer, Paul Kane, and Frederick Verner, in addition to a number of lesser-known and anonymous artists. A silent movie which dates from 1925, and shows a thundering herd of bison, is a visual treat.

"Buffalo: 'these Beast on ye Barren ground'" was inspired by an important event that will take place at our University this August—the Fourth International Theriological Congress. This is a world-wide conference of mammalogists, and more than 1,000 scientists from around the globe will be in attendance. As well, 1985 com-

memorates the centennial of the Canadian national parks system, a system which has significantly contributed to bison conservation and preservation.

Funding for "Buffalo: 'these Beast on ye Barren ground'" has been provided by a generous grant from the University/Community Special Projects Fund, and by the National Museums of Canada, Museum Assistance Programmes.

Ring House Gallery hours are: Tuesday, Wednesday, Friday: noon to 5 p.m.; Thursday: noon to 8 p.m.; Saturday and Sunday: 2 to 5 p.m. Admission is free. Tours of the exhibition can be booked by calling 432-5834. □

has already been mentioned. The other President that he refers to with particular fondness is Myron the Mover, nicknamed Super Mite, whom Conan considered to possess the blend of compassion, industry and intelligence of which outstanding leaders are made. Other colleagues mentioned include George the Eloquent, Ronald the Rock, and those individuals in his own office who have made his own work so much easier. There were a number of dedicated lay people who also served the University of Atlantis with unselfish devotion, and to which Conan referred to specifically, among them John the Judicious, and Peter of Many Cultures.

It remains for me now, Sir, only to repeat the motto of the University of Atlantis, and address it to the graduands, "Nolle Phillistine Carborundum Esse"—"Don't Let the Phillistines Grind You Down!" □

Alberta Foundation for Nursing Research Appreciative of Principal Investigators in Our Midst

At a news conference in the Chateau Lacombe Hotel on 5 June, Shirley Stinson, Chairman of the Alberta Foundation for Nursing Research, announced the awarding of 18 research grants totalling some \$50,000 to Alberta nurse researchers. Thirteen of the 18 grants awarded to principal investigators went to nurses at the University of Alberta, 11 in the Faculty of Nursing and two in the Faculty of Education.

Project grants were received by R. Day, "Psychomotor Skill Acquisition in Nursing: Intramuscular Injections"; and P.A. Field, with M.J. Houston, University of Lethbridge, as co-investigator, "A Survey of Post-

Partum Nursing Care Practices in Hospitals in Alberta."

A facilitation grant was awarded to E.M. Davies and co-investigators Rhea Arcand and Joy Edwards, "Family Responses to Supportive Care."

Student Research Bursaries were awarded to the following students in the Master's in Nursing Program: Marie Coffey, Judith Cote, Jennifer English, Susan Fowler-Kerry, Donna Gajmerac, Margaret-Ellen Lock, Gwynne MacDonald and Sharon

Morgan. Also, Gary Okrainec, a Master's in Education student, and Vangie Kelpin, a PhD in Education candidate, received bursaries.

The Alberta Foundation for Nursing Research's aim is to enhance the quality and quantity of nursing care. It was established in October 1982 to administer a \$1 million fund from the provincial government specifically designated for nursing research. This support is enabling Alberta to be in the forefront of nursing research in Canada. □



Seen here with their Faculty of Arts Undergraduate Teaching Awards are Russell Pendergast (left) and Norman Yates, two of the three recipients of the award this year. (Absent is Stan Munro.) Presenting the plaques at the Arts Faculty Council meeting on 24 May, Terry White (centre) said that the Faculty of Arts established the awards three years ago to recognize excellence in teaching—one of the two primary activities of a university. The intention is to "single out for excellence each year one superb teacher in each division of the Faculty." Nominations are made by department councils for consideration by the Awards Committee. A painter of great distinction, Professor Yates, Art and Design, is recognized by students and colleagues as an exceptional teacher, both patient and encouraging, said Dean White. Stan Munro, East Asian Languages and Literatures, is singled out for his great skills and understanding in language teaching. Father Pendergast, Economics, has an enthusiasm for his subject that is contagious and, while challenging his students, "he makes the complex understandable."

page four, Folio, 20 June 1985

China Project Needs Billets

The China Project Office of the International Briefing Centre has an express need for host families. Thirteen graduate students from The People's Republic of China will arrive this summer and attend the University of Alberta during the winter.

(This is one of a number of international groups which will be coming to the University for post-graduate studies. People who are interested in being a homestay family but are unable to host a student at this time

may place their name on the list for a later group.)

The announcement circulated by the China Project Office reads: Families Wanted: To provide room and board for graduate students from The People's Republic of China. Length of stay approximately two months, July through August. Daily allowance of \$13.50 provided. Contact: Robin Barnett, International Briefing Centre, 432-2765. □

International Development Links

World Bank Projects:

- Haiti - Education and Training
 - Nigeria - Technical Teacher Training
 - Sudan - Agricultural Research
 - Burkina - French Language development of resource materials
- Contact: Deirdre Cartledge, 432-2280.

The Alberta Summer Institute for Petroleum Industry Development started on 3 June. Thirty-six individuals from 17 countries will be on campus until 26 July. Participants include representatives from Austria, Bangladesh, Barbados, Brazil, China, Ghana, India, Kenya, South Korea, Malaysia, Pakistan, Peru, Philippines, Tanzania, Thailand, Venezuela and Yemen. Those interested in meeting or hosting participants are encouraged to do so. Contact: The International Briefing Centre, 432-2958.

- New address for Canadian Council for International Cooperation (CCIC): 3rd Floor, 200 Isabella Street, Ottawa, Ontario K1S 1V7.
- New address for CUSO head office: 135 Rideau Street, Ottawa, Ontario K1N 9K7.

Jeffrey Robert Sampson, 1942 - 1985

Jeffrey Robert Sampson, Professor of Computing Science, died suddenly in Paris on 26 May at the age of 42.

Jeff Sampson was born in Chicago on 4 November 1942. He received his AB degree in Mathematics in 1963 from Northwestern University, and his AM and PhD degrees in Communication Sciences from the University of Michigan in 1965 and 1968,

respectively. At Northwestern, his abilities were recognized by his being elected to Phi Kappa Phi and by his leadership of the university debating team. The inclusion of material from mathematics, linguistics, psychology, physiology and computer science in his PhD thesis "A Neural Subassembly Model of Human Learning and Memory" indicates Jeff Sampson's in-

terdisciplinary approach to education and research, a view he held throughout his career. Dr. Sampson maintained a close relationship with his supervisor, John Holland, with whom he founded the annual Michigan Workshop on Adaptive Systems. This workshop now attracts scholars from around the world.

Dr. Sampson joined the emerging Department of Computing Science as an Assistant Professor in 1968, was promoted to Associate Professor in 1972, and to Professor in 1979. He was active in many professional organizations and was one of the founders and the first chairman of the Alberta Chapter of the Association for Computing Machinery, the second such chapter to be formed in Canada.

He took an active leadership role in university affairs early in his career by serving on a variety of important committees during the growth and development phase of the department. Dr. Sampson led the first rationalization of the computing science curriculum in the early 1970s and helped establish courses which now are central to the study of the discipline.

During this time, Dr. Sampson established himself as an international expert in the area of adaptive systems. He developed courses of study and

wrote a number of papers on the subject of systems which exhibit adaptive behavior. His books, *Adaptive Information Processing* and *Biological Information Processing*, are highly regarded contributions to the field.

His colleagues and friends remember him as a scholar in the truest sense of the word. Widely travelled, Dr. Sampson's interests ranged throughout his chosen field of study to music, literature, theatre and medicine. He developed a strong interest in the Chinese people and their society, and was invited repeatedly to lecture at Chinese institutions. Through his interests and speaking ability, he brought to his lectures a wide range of expertise and good humor. Dr. Sampson's door was always open when he was in because he believed that being available to students and colleagues was one of the primary responsibilities of being an educator. He will be greatly missed.

Jeff Sampson is survived by his two sons, Scott and Curt, a sister, Linda Sampson, of San Francisco, and his parents, of Chicago.

The J.R. Sampson Memorial Fund has been established for graduate students in the Department of Computing Science. Donations to this Fund are welcome. □

International Symposium on the Chemistry of Natural Products Set to Open

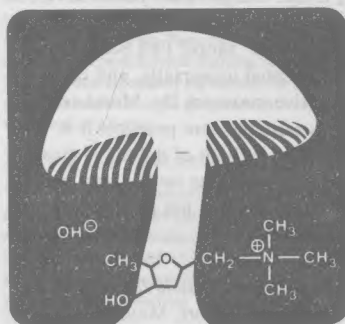
From 23 to 26 June, the University will be hosting the International Symposium on the Chemistry of Natural Products.

The Symposium will provide a forum for the discussion of biological formation, structural elucidation and medicinal activity of natural products. The scientific program consists of 13 one-hour plenary lectures by outstanding scientists in these fields. In addition, a large number of contributed papers are to be given orally and the others will be presented in poster form.

Plenary lectures and oral presentations will be held in TL-11 Tory Building, 24 through 26 June; posters will be displayed in the concourse of the Chemistry Building on 25 June from 1 to 5 p.m.

A mixer and a steak barbecue dinner are included in the social program.

The Symposium is sponsored by the Organic Division of the Chemical In-



stitute of Canada and supported by the Natural Sciences and Engineering Research Council of Canada and the Alberta Heritage Foundation for Medical Research. It is organized by W.A. Ayer, H.J. Liu (Chairman), and J.C. Venderas of the Department of Chemistry. More than 250 participants are expected. □

International Work Camp in Egypt

The Egyptian Supreme Council for Youth and Sport is again organizing an international work camp for male volunteers aged between 18 and 35, says the World University Service of Canada. The camp will take place from 15 to 29 August in the Ramadan region, midway between Cairo and Ismailiya.

The program will consist of ten partial days of work--probably desert reforestation--and five days of touring in Cairo, El Faiyum and Luxor.

It is probable that costs in Egypt will be paid by the Egyptian Council (except for personal purchases and non-sponsored activities). Participants will pay their own travel costs to and from Egypt. The working language will likely be English.

For more information, act before 30 June. Contact Greg Zador, WUSC, Box 3000, Stn. C, Ottawa, Ontario K1Y 4M8, telephone (613) 725-3121. □

The High Cost of Falling

Health care systems spend millions of dollars treating patients injured in falls. In a 10-day stay in hospital, a patient has a 1 in 40 chance of falling and a 40 percent chance of being injured in that fall. Three percent of these result in serious injury or death. A recent study has produced a profile of the patient most likely to fall and recommends a number of preventive measures. Can hospitals afford to take these steps? Can they afford not to?

If you are over 65 and fall, you could become a statistic. Falls are the largest cause of accidental death in that age group. In any case, injuries may seriously reduce mobility and the quality and length of life.

Falls cost the health care system millions of dollars annually and the expense is presumed to be necessary.

It is largely the elderly who fall, and it is generally accepted that falling is a normal part of growing old.

But is it?

Can falls be prevented?

In a hospital environment, they certainly can, believes Janice Morse of the Faculty of Nursing.

Dr. Morse has spent three years studying the characteristics of patients who are likely to fall. The result of her work is "The Morse Fall Scale", a brief questionnaire which enables nurses to identify with 85 percent accuracy not only who is likely to fall, but when they are likely to fall.

The one-page "Morse Scale" looks very simple. And it is very simple to work with. But a lot of sophisticated calculations went into its development.

Three research projects were conducted, examining patient falls in a

large metropolitan teaching hospital of about 1,400 beds.

Phase I examined 100 patients who fell while in hospital, and 100 patients, randomly selected, who had not fallen. When this data base was being assembled for computer modelling, it was noted that some patients fell more than once. This discovery sparked Phase II of the research, which compared 20 patients who had had multiple falls with 20 matched controls. Analysis of these falls produced data on the characteristics of patients who fell, and information about what researchers call "the fall event".

In Phase III, these data bases were used to develop and validate a scale that would enable nursing staff to identify the fall-prone patient. The six significant variables on the scale (secondary diagnosis, walking aid/wheelchair, I.V., gait, mental status, and previous fall history) were selected according to their statistical significance—and also for their ease of measurement by nursing staff. Dr. Morse's objective has been to keep the scale as simple and as easy to use as possible—and she has been successful. On "The Morse Fall Scale" there are only six brief questions. Each is scored

from 0 ("no") to 30. If the score is above 16, the patient is at risk of falling.

With the patient at risk thus identified, what remains is to make sure that steps are taken to prevent a fall from happening.

In a final report on her research, Dr. Morse separates these preventive steps into *active prevention*, *active protection* and *passive prevention* measures. Whether or not these steps will be taken is a question of economics. Preventive measures need more nurses' time—and perhaps more nurses—as well as extra equipment such as bed rails, walkers, wheelchairs, and so on. These kinds of costs generally must be budgeted by the hospital—whereas the cost of caring for a patient injured in a fall usually is a direct charge to the health care system.

But if this "Morse Fall Scale" were to be adopted universally, and if the preventive measures Dr. Morse recommends were put into practice, it is likely that millions of dollars in treatment costs could be saved. And many older people might not suffer disabling accidents.* □

* The preceding article first appeared in "Research Report, May/June 1985.

Ursula Maydell (Computing Science) has been invited to spend eight months of her 1985-86 study leave at the IBM Zurich Research Laboratory in Rüschlikon, Switzerland. Her research there will be performance issues of inter-connected systems and networks.

Abram G. Konrad (Educational Administration) conducted an invitational workshop on "Increasing Trustee Effectiveness" at a national meeting of Community College Trustees on 23 May in St. John's, Newfoundland.

Raymond Lemieux (Chemistry) has been awarded the Medal of Honor of the Canadian Medical Association, a distinction which is rarely given to non-medical people.

New Publication in McKown Reading Room

The well-stocked R.E. McKown Reading Room in the Department of Political Science will henceforth be receiving *The Japanese Annual of International Law*. Fortunately, library assistant Alice Lau did not have to fill out a subscription form and check a "Bill me now" or "Bill me later" box. A copy of the 1985 annual was recently presented to Political Science Chairman F.C. Engelmann by Kazuhiro Tajika, Consul of Japan. Mr. Tajika then stated that the annual will be forwarded by his office to the Reading Room each year. Copies will be in English.

The Annual, published by the International Law Association of Japan, Faculty of Law, University of Tokyo averages about 250 pages per issue. The reader will see judicial decisions

by various courts and a selection of articles.

Asked if the Annual will be used in the classroom, Dr. Engelmann said it was unlikely. However, he indicated that an individual such as L.C. Green, who teaches both political science and law, might make use of the publication in a seminar setting.

The Annual, first published in 1957, has a limited press run. Mr. Tajika receives four copies and retains one. The others go to this University's Law Library, the McKown Reading Room and the the University of Calgary's Law Library. No supplements to the Annual are published.

The R.E. McKown Reading Room currently receives some 100 titles, including government publications. □

service information

All information to be included in this column must reach the Office of Community Relations by 9 a.m. the Thursday prior to publication.

Coming Events

Lectures and Seminars

Pathology

24 June, noon. Peter Mazur, Biology Division, Oak Ridge National Laboratory, Tennessee, "The Freezing of Living Cells: Mechanisms and Implications." 231 Medical Sciences Building. Sponsored by the Alberta Heritage Foundation for Medical Research.

24 June, noon. P.E. Reid, Department of Pathology, University of British Columbia, "Development and application of histochemical methods for the identification of colonic epithelial glycoproteins." 5-12 Medical Sciences Building.

25 June, 8 a.m. Peter Rowe, Lorimer Dods Professor of Pediatric Research, Children's Medical Research Foundation, University of Sydney, Australia, "Fetal Alcohol Syndrome: Experimental Approaches." 2-115 Clinical Sciences Building.

26 June, 11 a.m. L.P. Milligan, "Maintenance Energy Expenditure." Room F, 2J402 Walter C. Mackenzie Health Sciences Centre.

26 June, 8 a.m. S. Kaufman and C.T. Kappagoda, "Regulation of Circulating Blood Volume by the Renin Angiotensin System - a Case Study." 6-103 Clinical Sciences Building.

Radiology

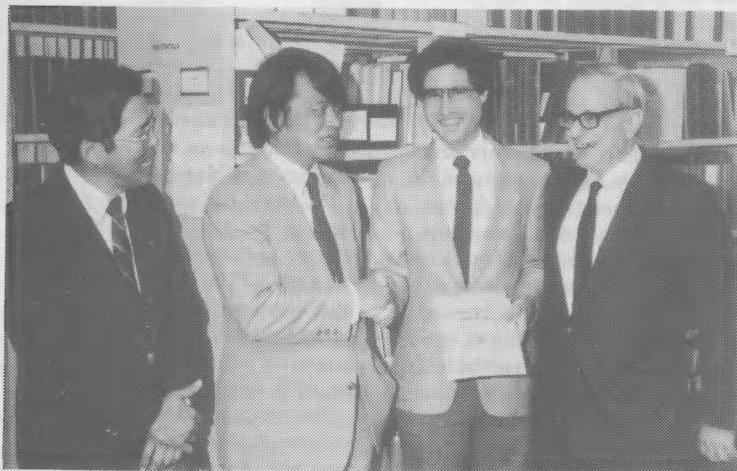
27 June, 11 a.m. J.D.R. Miller, "Changes in the Base of the Skull and Upper Cervical Spine in Down's Syndrome." 4B138 Walter C. Mackenzie Health Sciences Centre.

Student Legal Services

20 June, 7 to 9 p.m. Real Estate Seminar. Discussions on conveyancing, mortgages, foreclosures

people

Henry A. Kennedy (Accounting), has been awarded a grant of \$4,000 by Deloitte Haskins & Sells to employ an outstanding graduate student who is planning a career in public accounting or accounting education to assist with a research project. The award is made annually to support faculty research methods in accounting. The award last year was granted to the University of Toronto. The "Deloitte Haskins & Sells Graduate Research Assistant" selected by Dr. Kennedy is **James Hieber**, who is completing his MBA program. The award will fund a research project during the summer of 1985 to explore the application of the lens model of human information processing to the decisions of the Canadian tax courts.



Steve Fukushima, Assistant to the Consul Kazuhiro Tajika, Consul of Japan, and Jeremy Paltiel and F.C. Engelmann, Political Science, check out the Japanese Annual of International Law.

and Alberta Mortgage and Housing Corporation subsidies. 237 Law Centre.

Soil Science

5 July, 10 a.m. to 3 p.m. Breton Plots Field Day. For further information, call the Department of Soil Science, 432-3242. Sponsored by Alberta Agriculture and the University of Alberta.

Exhibitions

Ring House Gallery

2 July, 7:30 p.m. W.A. Fuller, Department of Zoology, a slide presentation on Wood Buffalo Park. W-2 Tory Building.

Bruce Peel Special Collections Library

Until 30 August. W.J. Phillips: English technique, Canadian mastery. Eighteen woodcuts in black and white and watercolors from books and portfolios. B-7 Rutherford South.

Theatre

SUB Theatre

21 to 29 June, 8 p.m. nightly and 2 p.m. on 23 June. "Brigadoon" presented by the Ensemble for Lyrical Operetta Productions. Tickets available at all BASS outlets.

Non-Credit Courses

Computing Services

MTS (Michigan Terminal System)

MTS and Editor Fundamentals (Prerequisite)
AJ510 Operation and Visual Editing (Prerequisite)
MTS Overview (Prerequisite)

Fitness and Lifestyle

Beginning 2 July, classes will run twice a week for five weeks. For further information, call the Faculty of Extension, 432-2015.

From Fat to Fit, Monday and Wednesday, 5:15 to 6:45 p.m.

Co-ed Aerobic Fitness, Tuesday and Thursday, 5:15 to 6:45 p.m.

Co-ed Fitness (Moderate), Tuesday and Thursday, 6:15 to 7:45 p.m.

Fitness in Moderation, Monday and Wednesday, 7 to 8:30 p.m.

Aerobic Fitness for Women, Tuesday and Thursday, 7 to 8:30 p.m.

Shape Up After Pregnancy, Tuesday and Thursday, 10 to 11:30 a.m.

Fitness During Pregnancy, Tuesday and Thursday, 5:30 to 6:45 p.m.

Fitness During Pregnancy, Monday and Wednesday, 7 to 8:15 p.m.

Fitness for Unfits, Monday and Wednesday, 5:15 to 6:15 p.m.

Fitness Over 40, Monday and Wednesday, 4:30 to 6:00 p.m.

Rush Hour Workout, Monday and Wednesday, 4:30 to 5:30 p.m.

Fitness for Men, Monday and Wednesday, 7 to 8:30 p.m.

T'ai Chi, Tuesday and Thursday, 7:30 to 9:30 p.m.

TEXTFORM

Introduction to Text Formatting (Prerequisite)

SPIRES

Introduction to SPIRES (Prerequisite)
Advanced SPIRES

Graphics

Integrated Graphics Overview (IG)

Statistics

Data Preparation for Statistical Packages (Prerequisite)

Introduction to SPSSx

Introduction to MIDAS

Microcomputers

Introduction to the IBM PC

Introduction to the Personal Editor

Introduction to MultiMate

Advanced MultiMate

Introduction to Microcomputers

Introduction to MicroSoft FORTRAN

Introduction to Macintosh

The above courses are offered regularly through the day with limited evening selections. Registration will be taken over the phone for all courses except evening courses. These may be made in person at 352 General Services Building, or by mail. Payment must accompany registration for all evening courses. Please make cheques payable to the University of Alberta.

Waiting List Courses

The following courses are only offered when a sufficient number of people express an interest.

Advanced Text Formatting

Introduction to Plotting

Introduction to Programming

Introduction to Typesetting

Introduction to APL

Introduction to Tell-A-Graf

Introduction to BMDP

Introduction to MINITAB

Introduction to TROLL

For more information on any of the courses listed above, telephone the Training Coordinator at 432-2511, between 8 a.m. and 4 p.m., weekdays.

Faculty of Extension

Certificate Programmes

For further information on the programmes listed below, telephone 432-5545 or 432-3027 between 8:30 a.m. and 4:30 p.m., Monday to Friday.

Management Development

Personnel Administration

Computers and Business Data Processing

Industrial Security Management

Purchasing Management Development

Applied Land Use Planning Certificate Programme

Public Administration Certificate (432-5052)

Citation Programme

For further information on the following programmes, telephone the number(s) listed behind the course.

Executive Development Programme for Women (432-5545 or 432-3027)

Supervisory Development Programme (432-5066)

Land Use Planning Studies

For further information on the following courses, telephone 432-2912.

Plans and Processes

Survey and Analysis (Field Trip)

Industrial Courses

For further information on the course listed below, telephone 432-2912.

Maintenance Management

PLATO Learning Centre

"Computer-Taught" courses can be taken any time at your convenience. For further information on this unique way of learning, telephone 432-2444. Introduction—Keyboarding, Word Processing Excellence in Administrative Assistant/Secretarial Work

Introduction—Computers, Data Processing

Introduction to Programming—BASIC, PASCAL, FORTRAN

Time—Resource, Financial or Planning Management

Devonian Botanic Garden

For a detailed brochure and registration form, telephone 987-3054.

Suitable Conifers for the Alberta Landscape

Surplus Equipment

The equipment appearing in this column is available only to University Departments with University administered funds. For further information about the purchase of equipment or the disposal of your department's surplus equipment, contact Jody Brookwell or Roy Bennett, 432-3208.

For Sale: 1 Cybernex APL-100 Terminal and Keyboard

For more technical information, telephone Bonnie Gowans, Cancer Research, 432-3607.

For Sale: 1 Saunders 12/7 Media Printer

For more technical information, telephone Janet Rebalkin, Slavic and East European Studies, 432-3273.

For Sale: 1 Hounsfield, Tensiometer

For more technical information, telephone S. Newman, Department of Dentistry, 432-2850.

Scholarships, Fellowships and Awards

Public Legal Education Award

An annual award of a value of up to \$1,000 has been created by the Sandra Garvie Memorial Fund to assist an individual to pursue a course of study or to undertake research into the library or information aspects of public legal education. The purpose of the grant is to encourage individuals to improve their knowledge in this area. Candidates may be enrolled in a formal course of study at a community college or university or may undertake an independent learning activity.

The award was created to honor Sandra Garvie, Librarian at the Legal Resource Centre of the Faculty of Extension, University of Alberta, from 1976 to 1979, for her contribution to the field of public legal education.

The deadline for applications is 30 June 1985.

For more information, contact: Lois E. Gander, Director, Legal Resource Centre, 10049 81 Avenue, Edmonton, Alberta T6E 1W7. Telephone: 432-5732.

Graduate Scholarships in Petroleum Geology and Marine Geoscience

Donor: Canadian Society of Petroleum Geologists. Where tenable: Canada. Level: Post-graduate. Field: Geology and Marine Geoscience relating to petroleum geology. Value: \$1,000. Number: Four. Duration: One year. Conditions: For MSc or PhD students in their second year of study. Preference given to geological sciences involved with coastal and shelf sediment processes, marine geotechnology, marine geochemistry and offshore basin tectonics and sedimentology. For Canadian citizens or permanent residents. Based on merit and academic standing. Closing date: 1 September 1985. Further information and application forms should be requested from: CPSG Graduate Scholarship Committee, Canadian Society of Petroleum Geologists, #505, 206 7 Avenue, S.W., Calgary, Alberta T2P 0W7.

Government of Mexico Graduate Scholarships

Donor: Mexico. Where tenable: Mexico. Level: Post-graduate. Field: All fields except Medicine. Value: 20,000 pesos/month living allowance, 3,400 pesos for books, round trip ticket, tuition and fees, 9,000 pesos thesis expenses, 2,500 pesos travel allowance, accident insurance, and most medical expenses. Number: Five. Duration: One academic year. Conditions: Canadian citizens with a first degree from a Canadian university or college affiliated with AUCC. Good knowledge of Spanish required. Persons who have been engaged in a professional career for several years after termination of their studies are not eligible. Closing date: 30 October 1985. Further information and application forms should be requested from: Scholarship Administration Services, Association of Universities and Colleges of Canada, 151 Slater Street, Ottawa, Ontario K1P 5N1. Telephone: (613) 563-1236.

Positions Vacant

The University of Alberta is an equal opportunity employer, but, in accordance with Canadian Immigration requirements, these advertisements are directed to Canadian citizens and permanent residents.

Agricultural Project Administrator

Will manage upgrade training of farm management, technical and scientific personnel of the State Farm System in North East China. The Project Administrator will be based in Edmonton with frequent travel to China. Administrator will exercise initiative and diplomacy.

Qualifications: MSc or BSc specializing in an agricultural soil science. Project administration experience, including financial control, reporting procedures and cross-cultural relations.

Desired qualifications: Working knowledge of computerized accounting, competency in Mandarin and administrative experience abroad.

Apply with résumé and two references to: The Director, Black Dragon River Consortium, Department of Rural Economy, 515 General Services Building, University of Alberta, Edmonton, Alberta T6G 2H1.

Competition closes 30 June 1985. Conditions of employment negotiable subject to qualifications.

Cataloguer, Boreal Institute for Northern Studies

The Library of the Boreal Institute for Northern Studies requires a Cataloguer to classify (using UDC), process and enter the data on a computer for the backlog of library acquisitions. This is a 12-

to 15-month term position to commence on 1 August 1985. Salary \$20,000 to \$25,000 per annum. The applicant must have a degree in Library Science and preferably with experience in the Dewey Decimal or Universal Decimal Classifications. Good typing skills an asset.

Send résumé and names of two references to: Mrs. G.A. Cooke, Head Librarian, Boreal Institute for Northern Studies, CW 401 Biological Sciences Building, University of Alberta, Edmonton, Alberta T6G 2E9.

Sessional Lab Coordinator

The Department of Soil Science invites application for the position of Laboratory Coordinator for its undergraduate teaching labs.

Duties include responsibility for organization and conduct of the undergraduate labs and will involve marking and grading of lecture and laboratory assignments. The position will be full-time from September through April and requires someone with a Soil Science degree. Salary will be commensurate with qualifications and experience.

Applications, including a curriculum vitae and the names of three referees, should be submitted to M. Delane, Administrative Officer, Department of Soil Science, 438 Earth Sciences Building.

Non-Academic Positions

To obtain further information on the following positions, please contact Personnel Services and Staff Relations, 2-40 Assiniboia Hall, telephone 432-5201. Due to publication lead time and the fact that positions are filled on an on-going basis, these vacancies cannot be guaranteed beyond 14 June 1985. For a more up-to-date listing, please consult the weekly Employment Opportunities Bulletin and/or the postings in PSSR. The University of Alberta is committed to the principle of equal opportunity employment.

Positions available as of 14 June 1985.

Senior Clerk (\$1,190-\$1,478) Comptroller's Office
Senior Financial Records Clerk (\$1,326-\$1,666) Comptroller's Office
Clerk Steno III (Trust/Term) (\$1,326-\$1,666) Agriculture and Forestry
Clerk Steno III (\$1,326-\$1,666) Animal Science
Clerk Steno III (\$1,326-\$1,666) Extension
Student Records Processing Clerk I (\$1,326-\$1,666) Arts
Medical Stenographer (\$1,478-\$1,888) Medicine
Secretary (\$1,478-\$1,888) Business
Secretary (\$1,478-\$1,888) Pathology
Systems Control Clerk II (Term) (\$1,478-\$1,888) Provincial Laboratory
Departmental/Executive Secretary (\$1,666-\$2,144) Pharmacy
Storeman I (\$1,235-\$1,534) Bookstore
Building Services Worker II (\$1,326-\$1,666) Housing and Food Services
Building Services Worker II (\$1,326-\$1,666) Physical Plant
Animal Technician I/III (Trust) (\$1,534-\$2,548) Paediatrics
Technician I (\$1,534-\$1,968) Computing Services
Technician II/Technologist I (Trust) (\$1,739-\$2,437) Pathology
Technician II/Technologist I (Trust) (\$1,739-\$2,437) Medical Microbiology
Biochemistry Technician II/Biochemistry Technologist I (\$1,739-\$2,437) Biochemistry
Technician II/Technologist IV (Trust) (\$1,739-\$3,320) Paediatrics
Technologist I (Part-time) (\$944-\$1,219) Anthropology
Technologist I (Part-time Recurring Term) (\$944-\$1,219) Anthropology

Biology Technologist I (Trust) (\$1,888-\$2,437) Genetics
Civil Engineering Technician III (\$1,968-\$2,548) Civil Engineering
Biochemistry Technologist II (Trust) (\$2,053-\$2,661) Genetics
Technologist II/IV (Trust) (\$2,053-\$3,320) Paediatrics
Pharmacist (Part-time) (\$821-\$1,064) University Health Service
Technologist III (\$2,237-\$2,905) Computing Science
Programmer Analyst II (\$2,237-\$2,905) Zoology
Programmer Analyst III (\$2,661-\$3,475) Computing Science

For vacant Library positions, please contact the Library Personnel Office, Basement, Cameron Library. Telephone 432-3339.

Advertisements

Advertisements must reach the Editor by 3 p.m. on the Thursday prior to publication date which date also serves as the deadline for cancellation of advertisements. The cost of placing advertisements is 30 cents per word with no discount for subsequent insertions. There is a maximum limit of 30 words and a minimum charge of \$1.50. Contributors' corrections will be assessed at \$1.50 for each line in which an insertion is made. Advertisements cannot be accepted over the telephone. All advertisements must be paid for in full at the time of their submission.

Accommodations available

Rent - Two-bedroom, California bungalow, furnished, one block from campus. Ground floor only. Reasonable rent. Available 1 September 1985. Phone 434-2911.
Rent - Comfortable, older, restored, three-bedroom home. Near campus, fireplace, garden. October 1985-December 1986. \$650, 439-6408.
Sale - By owner. Three-bedroom, new house. 1,750', near University. Bow window, fireplace, large garage. 10732 75 Ave. \$109,000. Large mortgage 10 1/2%, five years. 455-0219.
Sale - By owner. Three-bedroom bungalow. Two

years old, close to Heritage Mall, (1,000'). Fully landscaped. Call 434-1663 or 438-4289.

Rent - House, \$460/month. Two bedrooms and basement suite. Near University. 488-8940.

Sale - Parkallen sacrifice. Spacious, 1,300 sq. ft., family home in quiet cul de sac, walk to University. \$74,900. Ask for Joyce Byrne, 435-6064, 436-5250. Spencer's.

For rent - \$690/month, unfurnished, three-bedroom house, garage. McKernan area, walking distance to University. Starting 1 July 1985. Phone 438-0183.

Sale - By owners. Two-storey, four-bedroom house. Garneau, \$99,500. Extensive renovations. No realtors. Evenings 431-0208.

Rent - Large acreage home, Rabbit Hill area, not in subdivision. Twenty minutes from U of A. Available August. Ideal for skiers. Asking \$1,000/month plus utilities. Phone 955-8019.

Rent - Unfurnished house, \$600, near University, 11123 75 Ave. Two bedrooms up, finished basement. 1 August. 437-5065.

For rent - Cottage in Gulf Islands, Mayne, available first part of July. Reasonable rate to responsible tenants. 433-1824.

For rent - Clean, spacious, unfurnished bungalow. July and August only. Four appliances. 87 St. 120 Ave. \$550 monthly. 475-3479 or 477-7904.

Sale - Belgravia. Cozy bungalow. Fireplace, large lot, quiet location. Walk to University. Chris Tenove, 433-5664, 436-5250. Spencer's.

Sale - Open House. 1-5 p.m., Sunday, 23 June. Residential, city lots. South on 111 St. or Riverbend Road to Ellerslie Road. Then west to 181 St. Chris Tenove, 433-5664, 436-5250. Spencer's.

Accommodations wanted

Dependable couple (one child, non-smokers) available to house sit during study leaves. Phone 455-4812.

Goods for sale

New Royal typewriters, \$300 and up. Used IBMs when available. Mark 9, HUB Mall. 432-7936.

Seven cubic foot Beaumark freezer, almond, \$250, 488-4951.

Dinette set, 36-inch round table, two chairs, \$150, 488-4951.

Murray McDonald watercolor, \$450, 488-4951. Want to buy washer, dryer, less than \$100? Call Terry, 432-3504 (days), 437-3581 (evenings).

Services

Donnie Word Processing. Specializing in theses, manuscripts, etc. 8315A 105 St. 432-1419.

Professional typist - Word processing. Specializing in theses and dissertations. Gwen, 467-9064.

Backaches? Stress tension? Special therapy at Back-Basics (supplementary healthcare reimburses treatment costs). Maria Krieg is a spine specialist, university-trained in Düsseldorf. 11610-75 Avenue. 436-8059.

Landscaping, lawn maintenance. Martin, 433-8729 evenings.

Experienced architect. Will do renovation/new home designs. Call 973-3198 (local).

Wordsmith - Complete secretarial services, including word processing. Free pick-up and delivery on campus. Call 438-3579 evenings.

Quaker worship, Sundays, 11 a.m. Soroptimist Room, YWCA. 100 Ave. 103 St.

Superior fencing, durable and charming construction, will build to your discriminating manner. 464-4853.

Summer time. Thesis time? Professional word processor operator will do your thesis at affordable prices. Wide variety of experience in various styles (A.P.A., Chicago) and typefaces. Call Wendie at 929-5555.

Ecole Grandin offers Catholic education and strong French immersion program with academic emphasis, in downtown area. Also: Pre- and after-school care, French immersion pre-kindergarten. Close to University. 482-3676.

French classes, various levels. Individuals or small groups. Contact Yves Puzo, 432-7565, between 11 a.m.-1 p.m.

Next to You Fashions

HUB Mall North

Final Clearance of Lingerie

- June 21 - 29 1985, 30% - 40% savings

Special - Friday June 21

and

Friday June 28

All stock 40% savings

2 days only

FRENCH COURSE FOR PROFESSIONALS

Faculté Saint-Jean

July 8 to 26, 1985

August 6 to 23, 1985

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